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- (71) Applicant (for all designated States except US): CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE [FR/FR]; 3, rue Michel-Ange, F-75794 Paris Cedex 16 (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BURNOUF, Dominique, Yves, Joel [FR/FR]; 16, rue Prosper Mérimée, F-67170 Brumath (FR). WAGNER, Jerome, Edouard [FR/FR]; 19, rue de L'ail, F-67000 Strasbourg (FR). DUMAS, Philippe [FR/FR]; 99, route du Polygone, F-67100 Stasbourg (FR). FUJII, Shingo [JP/FR]; 8, rue des Glacières, F-67000 Strasbourg (FR). FUCHS, Robert, Pierre, Paul [FR/FR]; 6A, rue Prosper Mérimée, F-67100 Strasbourg (FR). OLIERIC, Vincent [FR/FR]; 8, rue Mercière, F-67000 Strasbourg (FR).
- (74) Agents: GROSSET-FOURNIER, Chantal et al.; Grosset-Fournier & Demachy SARL, 54, rue Saint-Lazare, F-75009 Paris (FR).
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(54) Title: PROTEIN CRYSTAL COMPRISING THE PROCESSIVITY CLAMP FACTOR OF DNA POLYMERASE AND A LIGAND, AND ITS USES

(57) Abstract: The present invention relates to a protein crystal comprising the processivity clamp factor of DNA polymerase and a peptide of about 3 to about 30 amino acids, in particular of about 16 amino acids, said peptide comprising all or part of the processivity clamp factor binding sequence of a processivity clamp factor interacting protein, such as prokaryotic Pol I, Pol II, Pol III, Pol IV, Pol V, MutS, ligase I,  $\alpha$  subunit of DNA polymerase, UmuD or UmuD', or eukaryotic pol  $\epsilon$ , pol  $\delta$ , pol  $\eta$ , pol  $\kappa$ .

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